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English Abstract

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(71)Applicant : SUMITOMO RUBBER IND LTD

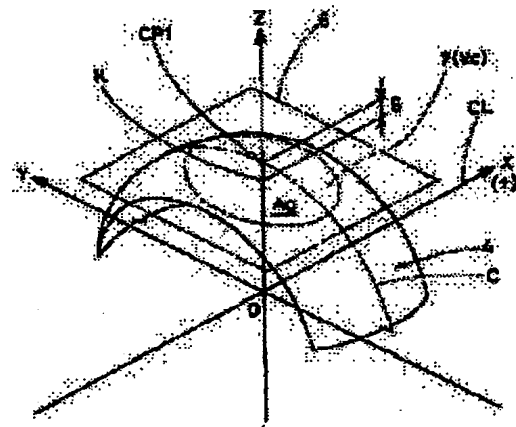
(22)Date of filing : 15.04.1999

(72)Inventor : ASANO KAZUO

(54) ESTIMATING METHOD FOR GROUND CONTACT FORM OF TIRE**(57)Abstract:**

PROBLEM TO BE SOLVED: To estimate a ground contact form of a tire simply by means of providing a two-dimensional tread surface outline of a tire.

SOLUTION: This method comprises a tread surface outline specifying treatment for specifying a two-dimensional tread surface outline in a tire meridian section including a tire rotating axis CL, a tread surface specifying treatment for specifying a three-dimensional tread surface troid body 4 through rotating this tread surface outline around the tire rotating axis CL, a virtual ground contact area estimating treatment for calculating an area A_g of a virtual ground contact surface V_c passing from the surface of the tread surface troid body 4 to a ground contact depth point K in the inner diametrical direction of the tire and formed of a section 7 cut in a plane 6 in parallel with a virtual road surface, and a ground contact form specifying treatment for deciding as the ground contact form of the tire the form of the virtual ground contact V_c such that the area A_g equals to a ground contact area found by means of dividing load W of the tire by charging internal pressure P.

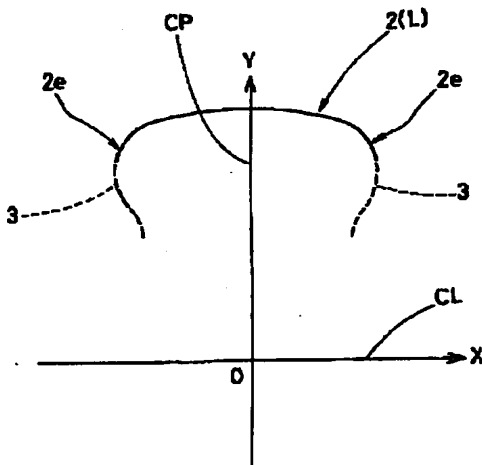


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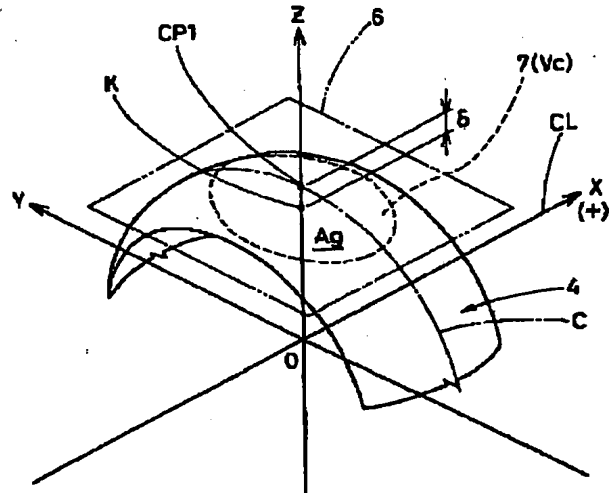
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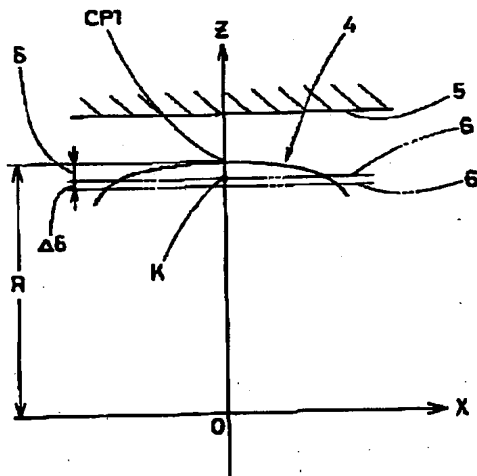
【図 1】



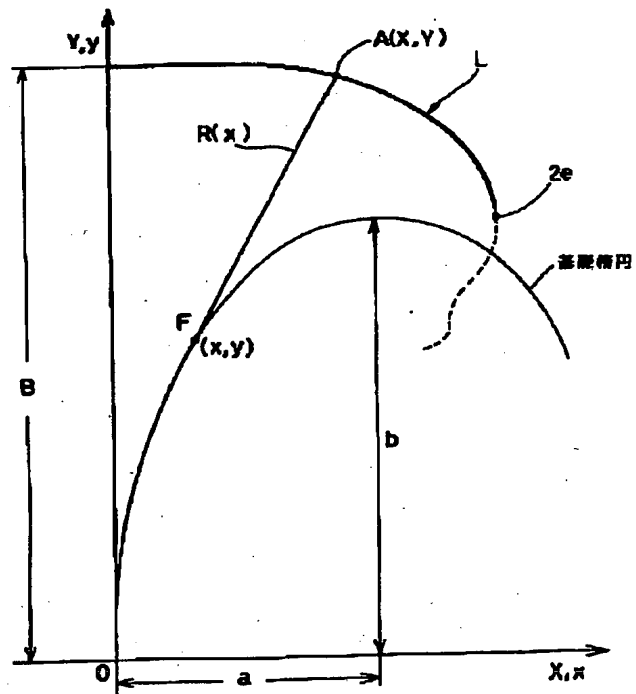
【図 2】



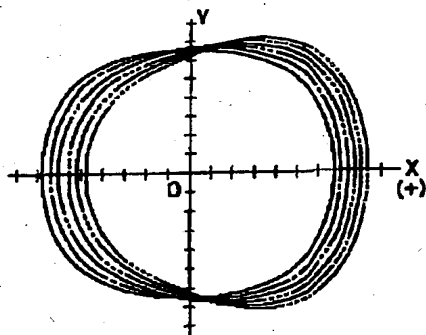
【図 3】



【図 5】



【図 6】



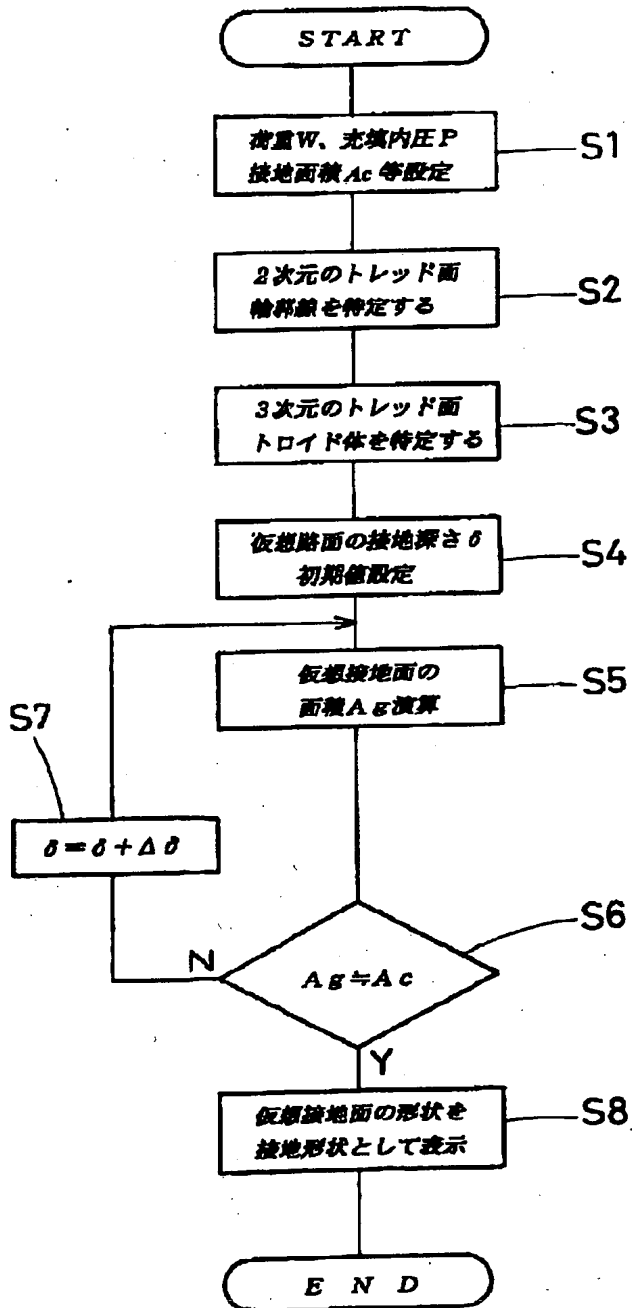
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【図4】



【図7】

